



# SEQUENCE LISTING

<110> Irving W. WAINER et al.

<120> COMPUTER-BASED MODEL FOR IDENTIFICATION AND CHARACTERIZATION OF  
NON-COMPETITIVE INHIBITORS OF NICOTINIC ACETYLCHOLINE RECEPTORS  
AND RELATED LIGAND-GATED ION CHANNEL RECEPTORS

<130> 1173-1025PUS2

<160> 15

<170> PatentIn version 3.2

<210> 1

<211> 23

<212> PRT

<213> Unknown

<220>

<221> misc\_feature

<222> (1)..(23)

<223> Table 1 Delta Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 1

Glu Lys Met Ser Thr Ala Ile Ser Val Leu Leu Ala Gly Ala Val Phe  
1 5 10 15

Leu Leu Leu Thr Ser Gly Arg  
20

<210> 2

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<223> Table 1 Gamma Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 2

Gln Lys Cys Thr Leu Ser Ile Ser Val Leu Leu Ala Gln Thr Ile Phe  
1 5 10 15

Leu Phe Leu Ile Ala Gln Lys  
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<210> 3

<211> 23

<212> PRT

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<221> misc\_feature

<222> (1)..(23)

<223> Table 1 Alpha 1 Sequence - Transmembrane domain of ligand gated ion channel subunit

<400> 3

Glu Lys Met Thr Leu Ser Ile Ser Val Leu Leu Ser Leu Thr Val Phe  
1 5 10 15

Leu Leu Val Ile Val Glu Leu  
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<210> 4

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<222> (1)..(23)

<223> Table 1 Alpha 3 Sequence - Transmembrane domain of ligand gated ion channel subunit

<400> 4

Glu Lys Val Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe  
1 5 10 15

Leu Leu Val Ile Thr Glu Thr  
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<210> 5

<211> 23

<212> PRT

<213> Unknown

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<222> (1)..(23)

<223> Table 1 Alpha 4 Sequence - Transmembrane domain of ligand gated ion channel subunit

<400> 5

Glu Lys Ile Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe  
1 5 10 15

Leu Leu Leu Ile Thr Glu Ile  
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<223> Table 1 Alpha 5 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 6

Glu Lys Ile Cys Leu Cys Thr Ser Val Leu Val Ser Leu Thr Val Phe  
1 5 10 15

Leu Leu Val Ile Glu Glu Ile  
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<210> 7  
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<223> Table 1 Alpha 6 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 7

Glu Lys Val Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe  
1 5 10 15

Leu Leu Val Ile Thr Glu Thr  
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<210> 8  
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<223> Table 1 Alpha 7 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 8

Glu Lys Ile Ser Leu Gly Ile Thr Val Leu Leu Ser Leu Thr Val Phe  
1 5 10 15

Met Leu Leu Val Ala Glu Ile

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<210> 9  
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<222> (1)..(23)  
<223> Table 1 Alpha 9 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 9

Glu Lys Val Ser Leu Gly Val Thr Ile Leu Leu Ala Met Thr Val Phe  
1 5 10 15

Gln Leu Met Val Ala Glu Ile  
20

<210> 10  
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<223> Table 1 Alpha 10 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 10

Glu Lys Val Ser Leu Gly Val Thr Val Leu Leu Ala Leu Thr Val Phe  
1 5 10 15

Gln Leu Ile Leu Ala Glu Ser  
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<223> Table 1 Beta 1 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 11

Glu Lys Met Gly Leu Ser Ile Phe Ala Leu Leu Thr Leu Thr Val Phe

1 5 10 15

Leu Leu Leu Leu Ala Asp Lys  
20

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<223> Table 1 Beta 2 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 12

Glu Lys Met Thr Leu Cys Ile Ser Val Leu Leu Ala Leu Thr Val Phe  
1 5 10 15

Leu Leu Leu Ile Ser Lys Ile  
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<210> 13  
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<220>  
<221> misc\_feature  
<222> (1)..(23)  
<223> Table 1 Beta 3 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 13

Glu Lys Leu Ser Leu Ser Thr Ser Val Leu Val Ser Leu Thr Val Phe  
1 5 10 15

Leu Leu Val Ile Glu Glu Ile  
20

<210> 14  
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<223> Table 1 Beta 4 Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 14

Glu Lys Met Thr Leu Cys Ile Ser Val Leu Leu Ala Leu Thr Phe Phe  
1 5 10 15

Leu Leu Leu Ile Ser Lys Ile  
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<210> 15

<211> 23

<212> PRT

<213> Unknown

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<221> misc\_feature

<222> (1)..(23)

<223> Table 1 Epsilon Sequence - Transmembrane domain of ligand gated ion  
channel subunit

<400> 15

Gln Lys Cys Thr Val Ser Ile Asn Val Leu Leu Ala Gln Thr Val Phe  
1 5 10 15

Leu Phe Phe Leu Ile Ala Gln  
20